BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425228

Serial No. 1st & final bill
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency ..... K.R.I.D.L.
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work :-	Improvements of roads and drains at Hegode nagara surrounding area in Ward No.-06.					
	Estimate Cost of Work :-	Rs 50.00 Lakhs.					
	Jab Code :-	006-18-000021.					
	Work Order Number :-	BBMP/EE/BTP/WO/41/2017-18					
	Work Order Date :-	23-12-2017.					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No. 1.	Excavation for road, drains and similar works. Earthwork excavation by manual means in ordinary soil involving an avg. horizontal throw upto 2 meters and an average lift upto 0.5m excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification.						
	PM Qty recorded vide page No. 425277/2 of this MB = 574.40 cum.						
	Limited Qty = 571.60 cum.						
	@Rs 86.92/cum ⇒ Rs. 49683.47.						
Item No. 2.	Loading and unloading of stone boulder/stone aggregate/ sand/kanoj/ moorum. Placing tipper at loading point, loading with front end loader, dumping turning for return trip excluding time for haulage						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	and return trip complete carryout	
Item No. 3.	Providing and laying in OPC cement @ 180 Kg/s coarse aggregates @ 0.8 mixed, concrete laid in foundation and plinth machinery, curing complete	

ok

Depth 6	Contents 7	Reference to last Measurement 8
	works. Earthwork	
	y soil involving an avg.	
	average lift upto 0.5m	
	tly dressed, the disposed	
	g of clods complete as	
	MB - 574.40 cum.	
	Qty - 571.60 cum.	
	92/cum ⇒ Rs. 49683.47.	
	stone aggregate/ sand/ kanoj	
	oading with front end	
	excluding time for haulage	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425209

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and return trip complete as per specification. carryout Qty same as Item No. 1 = 574.39 cum. Limited Qty = 571.60 cum @ Rs 100.00/cum ⇒ Rs. 57160.00						
Item No. 3.	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 Kgs with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour, TOM of machinery, curing complete as per specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	PM Qty recorded vide page No. 425278 of this MB =					84.87	cum.
	@ Rs 5159.02/cum ⇒ Rs						437846.03
Item No. 4.	Providing TMT Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery, complete as per specification.						
	PM Qty recorded vide page No. 425279 of this MB =					15.011	tonne.
	Limited Qty =					14.945	tonne.
	@ Rs 64243.42/ton ⇒ Rs						960130.76

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
Item No. 5.	Providing and removing removal of form work including attached pilast materials, labour complet PM Qty recorded vide page	
Item No. 6.	Providing & laying in pos with OPC cement @ 320	

Contents	Reference to last Measurement
7	8
84.87	cum.
um ⇒ Rs	437846.03
ork including straight	
tion, lapping and/or	
wire and anchoring	
complete as per	
measured and paid)	
mplete as per	
= 15.011	tonne. 960118
= 14.945	tonne.
ton ⇒ Rs	960130.76.

960118

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425210

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No.5.	Providing and removing centering, shuttering, strutting, propping etc..., and removal of form work for vertical surface such as walls at any thickness including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification.						
	PM Qty recorded vide page No. 425280/2 of this MB =					1389.60	sqm.
	Limited Qty =					1363.20	sqm.
	@ Rs 310.58/sqm ⇒ Rs.						423382.66.
Item No.6.	Providing & laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size graded granite						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	metal coarse aggregated @ 0.69cum and fine aggregates @ 0.460cum with superplastisiser @ 3.lts confirming to IS 9103-1999 reaffirmed 2008 machine mixed concrete laid in layers not exceeding 15cms thick vibrated for all works in foundation for footings, pedestals, retaining walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, anchor blocks, plinths etc., including cost of all materials, labour, HOM of machinery, curing complete but excluding cost of reinforcement as per specification.						
	PM Qty recorded vide page 425280, 425281/2 of this MB (84.87+104.22)					= 189.09 cum.	
						@Rs 6371.66/cum ⟹ Rs. 1204817.19.	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
Item No. 7.	Providing and fixing RC C p and down size graded gre material, labour, HOM of 11th cross road W/S.	
	11th cross road. E/S	

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th	Depth 6	Contents 7	Reference to last Measurement 8
			fine aggregates @0.460cum to IS 9103-1999 reaffirmed ers not exceeding 15cms thick r footings, pedestals, retaining ached pilasters, columns, piers, lerks, plinths etc., including achinery, curing complete but ification.
		(of this) = 189.09 cum.	
			B.
			1.66/cum ⟹ Rs. 1204817.19

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425211

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Item No. 7.	Providing and fixing RCC precast slabs of 0.10m thick of CC 1:2:4 with 20mm and down size graded granite metal machine mixed, including cost of all material, labour, HOM of machinery, curing complete.						
	11th cross road W/S.	1x1	30.00	0.90	—	27.00	Sqm
		1x1	30.00	0.90	—	27.00	"
		1x1	30.00	0.90	—	27.00	"
		1x1	30.00	0.90	—	27.00	"
		1x1	30.00	0.90	—	27.00	"
		1x1	30.00	0.90	—	27.00	"
		1x1	30.00	0.90	—	27.00	"
		1x1	30.00	0.90	—	27.00	"
		1x1	16.50	0.90	—	14.85	"
	11th cross road. E/S	1x1	30.00	0.90	—	27.00	"
						230.85	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	230.85	
1	2	3	4	5	6	7	8
		1 x 1	30.00	0.90	—	27.00	Sqm
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
	C&FC	1 x 1	30.00	0.90	—	27.00	"
	240	1 x 1	30.00	0.90	—	27.00	"
		1 x 1	13.50	0.90	—	12.15	"
	5th Cross Road N/S	1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	3.00	0.90	—	2.70	"
	10th cross to 9th cross N/S	1 x 1	12.00	0.90	—	10.80	"
	9th Cross to 8th Cross N/S	1 x 1	30.00	0.90	—	27.00	"
		1 x 1	2.00	0.90	—	1.80	"
	opp. to Sai Hospital	1 x 1	88.00	1.20	—	105.60	"
					Net Qty =	606.90	Sqm.
					@Rs 2100.00/sqm ⇒ Rs.	1274490.00	

15/2/18

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Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
Item No. 8.	Providing and fixing RCC prec and down size graded material, labour, TOM for culverts	grou of ma 1 x 18
	C&FC 2256 W 15/2/2018	Su 3% f 1% f

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	230.85 7	8
0.90	—	27.00	sqm
0.90	—	27.00	"
0.90	—	27.00	"
0.90	—	27.00	"
0.90	—	27.00	"
0.90	—	27.00	"
0.90	—	12.15	"
0.90	—	24.00	"
0.90	—	27.00	"
0.90	—	2.70	"
0.90	—	10.80	"
0.90	—	27.00	"
0.90	—	1.80	"
1.20	—	105.60	"
Net Qty =		606.90	sqm.
2100.00/sqm ⇒ Rs.		1274490.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

425212

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Item No. 8.	Providing and fixing RCC precast slabs of 0.20m thick of CC 1:2:4 with 20mm and down size graded granite metal machine mixed including cost of all material, labour, HOM of machinery, curing complete. for culverts	1×18	1.80	0.60	—	19.44	sqm.
				Net Qty =		19.44	sqm.
				@Rs 4402.79/sqm ⇒ Rs		85590.24.	
				Sub Total Amount = Rs		4493100.00.	
				3% for KRIDL Charges = Rs		134793.00	
				1% for Labour Cess = Rs		44931.00	

C/FC
2958 W
15/2/2018

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7% for applicable GST Charges = Rs						314517.00
	Grand Total Amount = Rs						4987341.00

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

CERTIFICATE

1) The contractor has completed the work as per specification.
2) The contractor has removed all the debris from work spot.
3) There are no departmental issues to the contractor.

M. A. I
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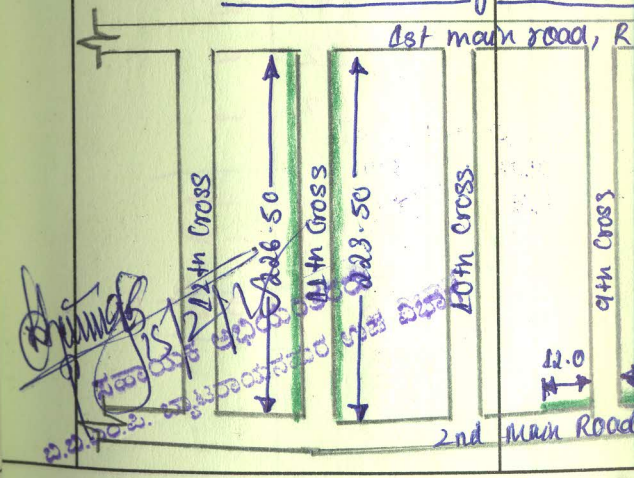
Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Sketch showing the de	



BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
le GST Charges = Rs			314517.00
al Amount = Rs			4987341.00

ant Executive Engineer
rayanapura Sub-division
DL BBMP, Bangalore

work as per specification.
the debris from work spot.
es to the contractor.

M. A. R. 57 (Rule 116)
Measurement Book

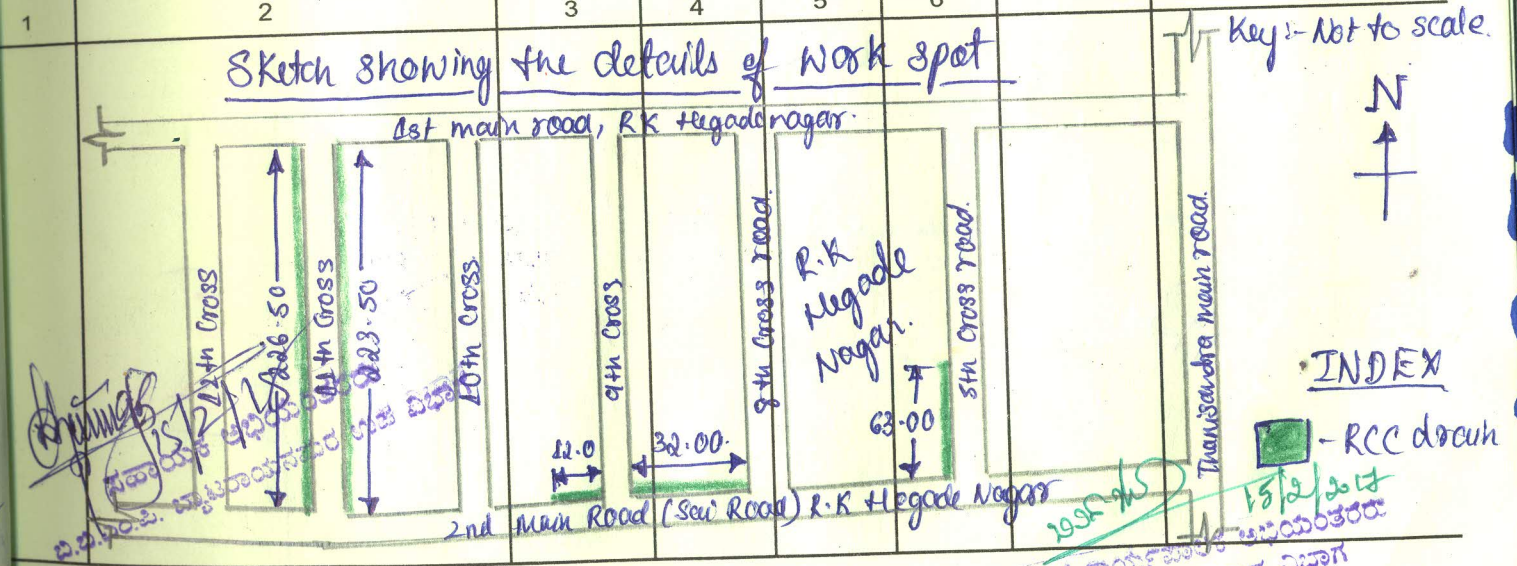
No. B

425213

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Sketch showing the details of work spot



MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions					Reference to last measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಹೊಬಲಗು ರೂ 49,87,341-೦ ಗಣಕೀಕೃತ ಪಾವತಿ ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ. 458336-೦ ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 45,29,005-೦ Rs: Forty five Lakh twenty nine thousand five only ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಚಾಮರಾಜನಗರ ವಿಭಾಗ ಲೆ. ಪ. ಸಂ. 240 ಬ್ಯಾಂಕರ್ ಜಂಟಿ ಸಹಿ ಲೆ. ಪ. ಸಂ.					Total Rs: 49,87,341-೦ IT - 99747-೦ Cess 49873-೦ CBT-- 4987-೦ LR - 54362-೦ FSD - 249367-೦ Adju - 458336-೦ Chq Rs 4529005-೦	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2